

IN THE CLAIMS

For the convenience of the Examiner all pending claims of the present Application are shown below whether or not an amendment has been made.

1. (Currently Amended) An enterprise code division multiple access (CDMA) wireless communication system, comprising:

a local area network (LAN);

a plurality of scalable wireless base stations coupled to the LAN, the wireless base stations coupled to communicate with wireless devices coupled within the enterprise wireless communication system via an internet protocol;

a public switched data network (PSDN) gateway directly coupled to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PSDN gateway comprising a T1 trunk interface for communication with a PSDN;

a public switched telephone network (PSTN) gateway directly coupled to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PSTN gateway comprising a T1 trunk interface for communication with a PSTN; ~~and~~

a public land mobile network (PLMN) gateway directly coupled to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PLMN gateway comprising a T1 trunk interface for communication with a PLMN;

wherein the scalable wireless base stations each include stackable base modules each operable to support communication with mobile terminals in a respective sectorized coverage area;

wherein the stackable base modules further include a plurality of channel elements coupled to enable the base stations to handle digital communication signals to and from mobile terminals remotely coupled to the base station;

wherein the stackable base modules further include an Ethernet interface card coupled to enable the stackable base modules to handle internet protocol communication signals;

wherein the base stations further include a plurality of combiners coupled to interconnect the plurality of stackable base modules to handle communication requests from remote mobile terminals to the system; and

wherein the base stations further include a plurality of splitters coupled to interconnect the plurality of stackable base modules to handle communications requests from the base stations to remote mobile terminals coupled to the system.

2. (Canceled)

3. (Currently Amended) The system of Claim 1 ~~claim 2~~, wherein the stackable wireless base modules each include a transceiver coupled to receive and transmit coded communication signals to and from a remote mobile terminal coupled to the system.

4. (Canceled)

5. (Canceled)

6. (Canceled)

7. (Previously Presented) The system of Claim 1, wherein the PSTN gateway includes a plurality of T1 trunks.

8. (Previously Presented) The system of Claim 1, wherein the PSDN gateway includes a plurality of T1 trunks.

9. (Canceled)

10. (Canceled)

11. (Canceled)

12. (Canceled)

13. (Canceled)

14. (Canceled)

15. (Canceled)

16. (Canceled)

17. (Canceled)

18. (Canceled)

19. (Canceled)

20. (Canceled)

21. (Canceled)

22. (Canceled)

23. (Currently Amended) A method for providing enterprise code division multiple access (CDMA) in a wireless communication system, comprising:

providing a local area network (LAN);

coupling a plurality of scalable wireless base stations to the LAN, the wireless base stations coupled to communicate with wireless devices coupled within the enterprise wireless communication system via an internet protocol;

directly coupling a public switched data network (PSDN) gateway to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PSDN gateway comprising a T1 trunk interface for communication with a PSDN;

directly coupling a public switched telephone network (PSTN) gateway to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PSTN gateway comprising a T1 trunk interface for communication with a PSTN; ~~and~~

directly coupling a public land mobile network (PLMN) gateway to the LAN to communicate with the wireless devices through at least one of the wireless base stations, the PLMN gateway comprising a T1 trunk interface for communication with a PLMN;

wherein the scalable wireless base stations each include stackable base modules each operable to support communication with mobile terminals in a respective sectorized coverage area;

wherein the stackable base modules further include a plurality of channel elements coupled to enable the base stations to handle digital communication signals to and from mobile terminals remotely coupled to the base station;

wherein the stackable base modules further include an Ethernet interface card coupled to enable the stackable base modules to handle internet protocol communication signals;

coupling a plurality of combiners to the base stations to interconnect the plurality of stackable base modules to handle communication requests from remote mobile terminals to the system; and

coupling a plurality of splitters to the base stations to interconnect the plurality of stackable base modules to handle communications requests from the base stations to remote mobile terminals coupled to the system.

24. (Canceled)

25. (Currently Amended) The method of Claim 23 ~~Claim 24~~, wherein the stackable wireless base modules each include a transceiver coupled to receive and transmit coded communication signals to and from a remote mobile terminal coupled to the system.

26. (Canceled)

27. (Canceled)

28. (Previously Presented) The method of Claim 23, wherein the PSTN gateway includes a plurality of T1 trunks.

29. (Previously Presented) The method of Claim 23, wherein the PSDN gateway includes a plurality of T1 trunks.

30. (Canceled)

31. (Canceled)

32. (Currently Amended) An enterprise code division multiple access (CDMA) wireless communication system, comprising:

a plurality of base stations for wireless communication with a mobile terminal, each base station operable to communicate with a mobile terminal in a respective coverage area; wherein each base station is coupled to a local area network (LAN) through an Ethernet backbone;

a public switched data network (PSDN) gateway directly coupled to the LAN to communicate with the mobile terminal through at least one of the plurality of base stations, the PSDN gateway comprising a T1 trunk interface for communication with a PSDN;

a public switched telephone network (PSTN) gateway directly coupled to the LAN to communicate with the mobile terminal through at least one of the wireless base stations, the PSTN gateway comprising a T1 trunk interface for communication with a PSTN;

a public land mobile network (PLMN) gateway directly coupled to the LAN to communicate with the mobile terminal through at least one of the wireless base stations, the PSDN gateway comprising a T1 trunk interface for communication with a PLMN; ~~and~~

each of the plurality of base stations comprising a plurality of base modules, each base module operable to communicate with the mobile terminal in a respective sector of the respective coverage area of the base station, each base module comprising:

a transceiver for communicating with the mobile terminal;

an ethernet interface coupled to the LAN operable to enable the stackable base modules to handle internet protocol communication signals; and

channel elements to handle digital communication signals to and from the mobile terminal;

wherein the base stations include a plurality of combiners coupled to interconnect the base modules to handle communications requests from the mobile terminal; and

wherein the base stations include a plurality of splitters coupled to interconnect the base modules to handle communications requests from the base stations to the mobile terminal.

Please add the following new claims:

33. (New) The system of Claim 32, wherein the PSTN gateway includes a plurality of T1 trunks.

34. (New) The system of Claim 32, wherein the PSDN gateway includes a plurality of T1 trunks.